ABSTRACT

[0030]   A method and system for a network node for attachment to switch fabrics

is described. The system includes an access unit to provide access to

communications from an external network, a classification element to label received

5   packets with information identifying an associated flow and queue, a mapping

element to place the packets into one of a plurality of queues based on the label

identifiers, a scheduler to schedule packets in the queues for transmission, and an

encapsulation element to encapsulate the scheduled packets into uniform size

frames. The uniform size frames may then be transmitted to a next destination

10   through a switch fabric.